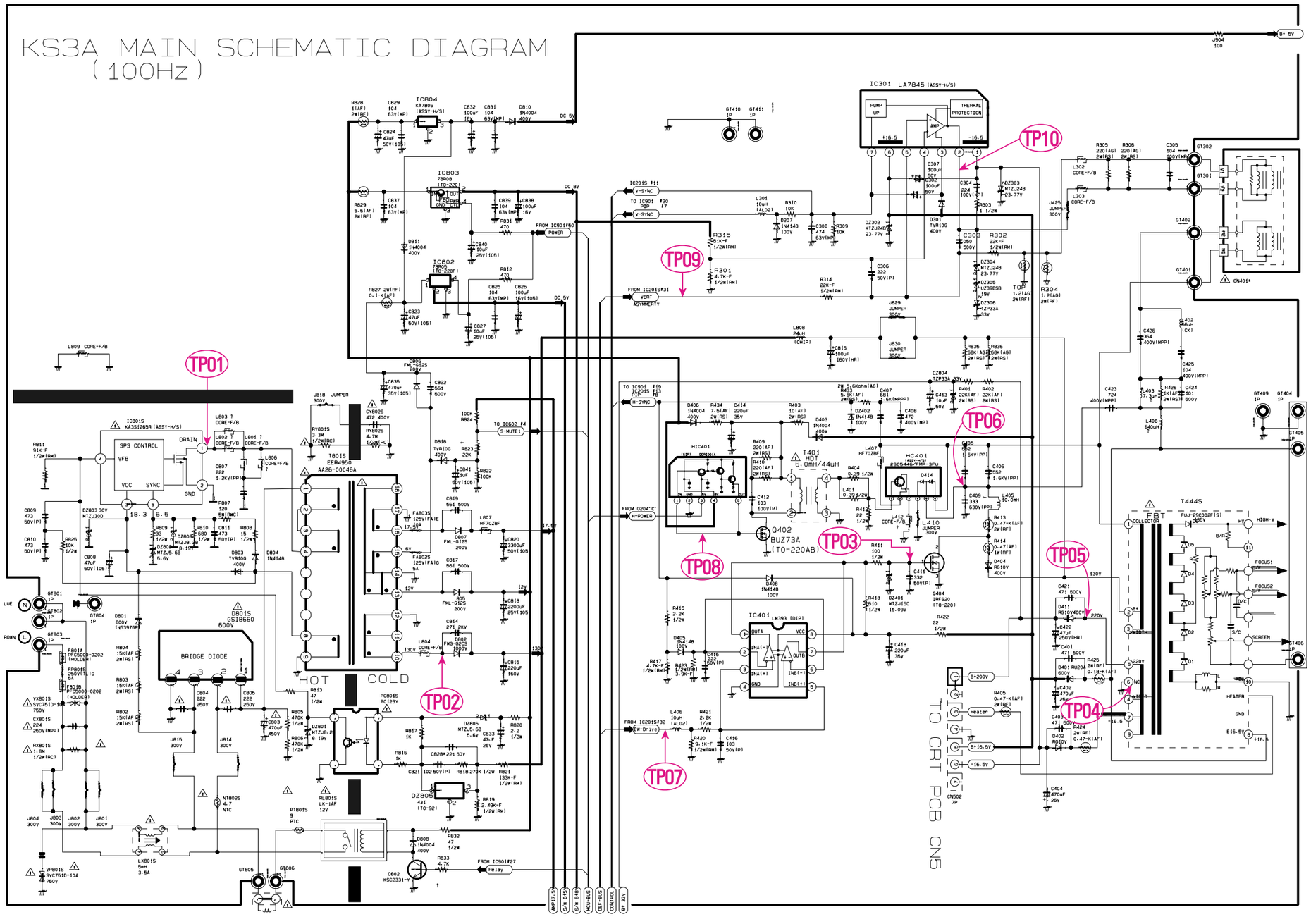
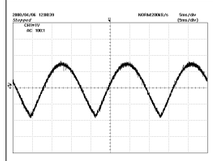
10. Schematic Diagrams

10-1 MAIN 1

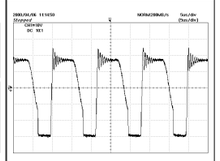
KS3A MAIN SCHEMATIC DIAGRAM
(100Hz)



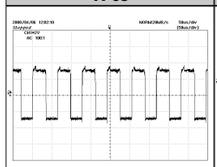
TP07



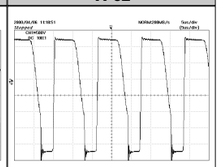
TP01



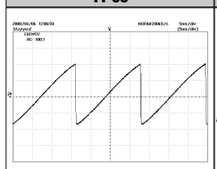
TP08



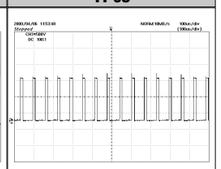
TP02



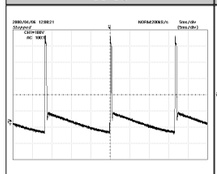
TP09



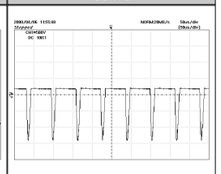
TP03



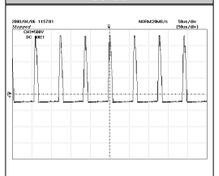
TP10



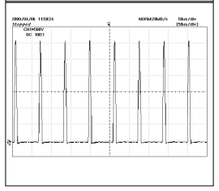
TP04



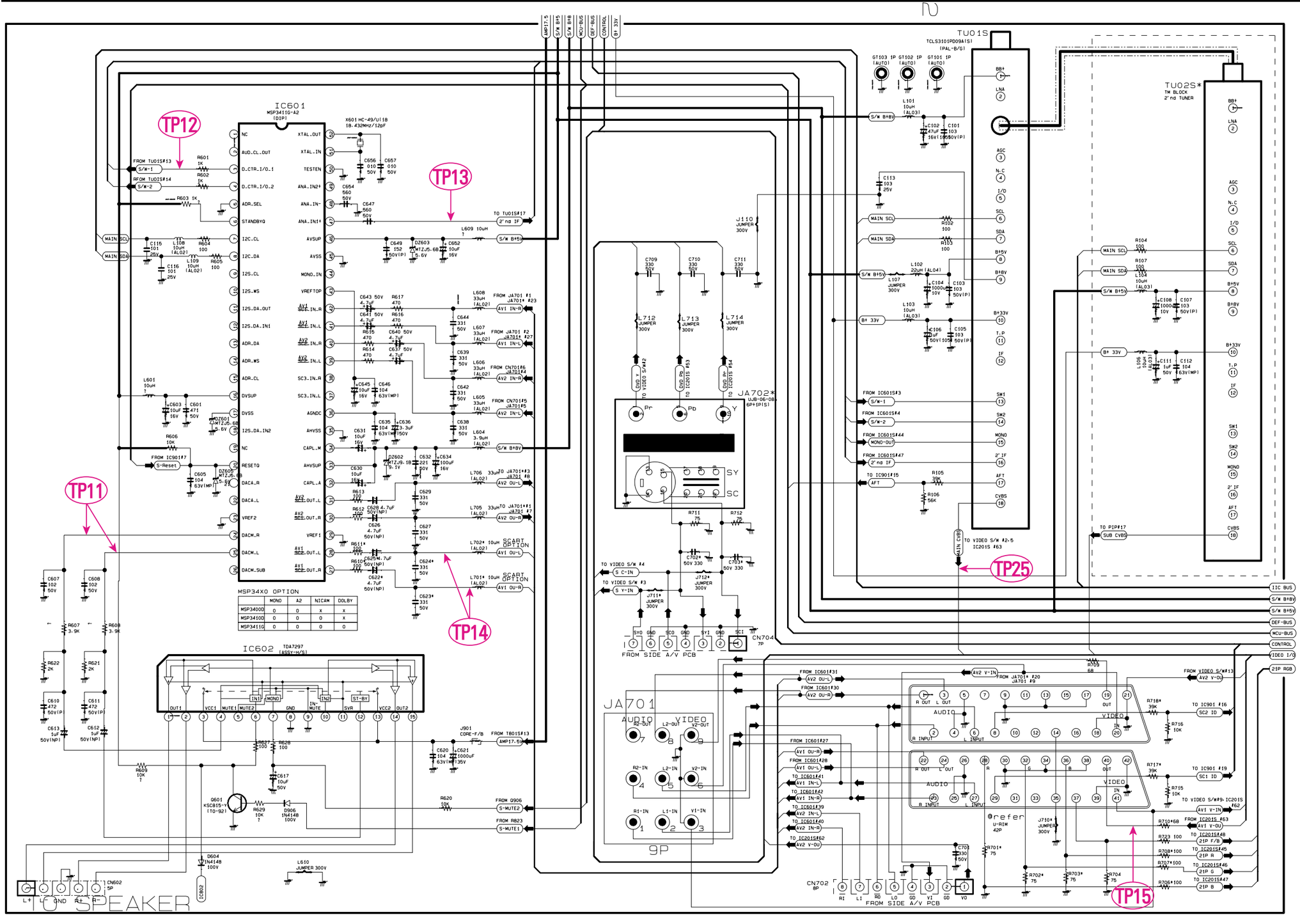
TP05



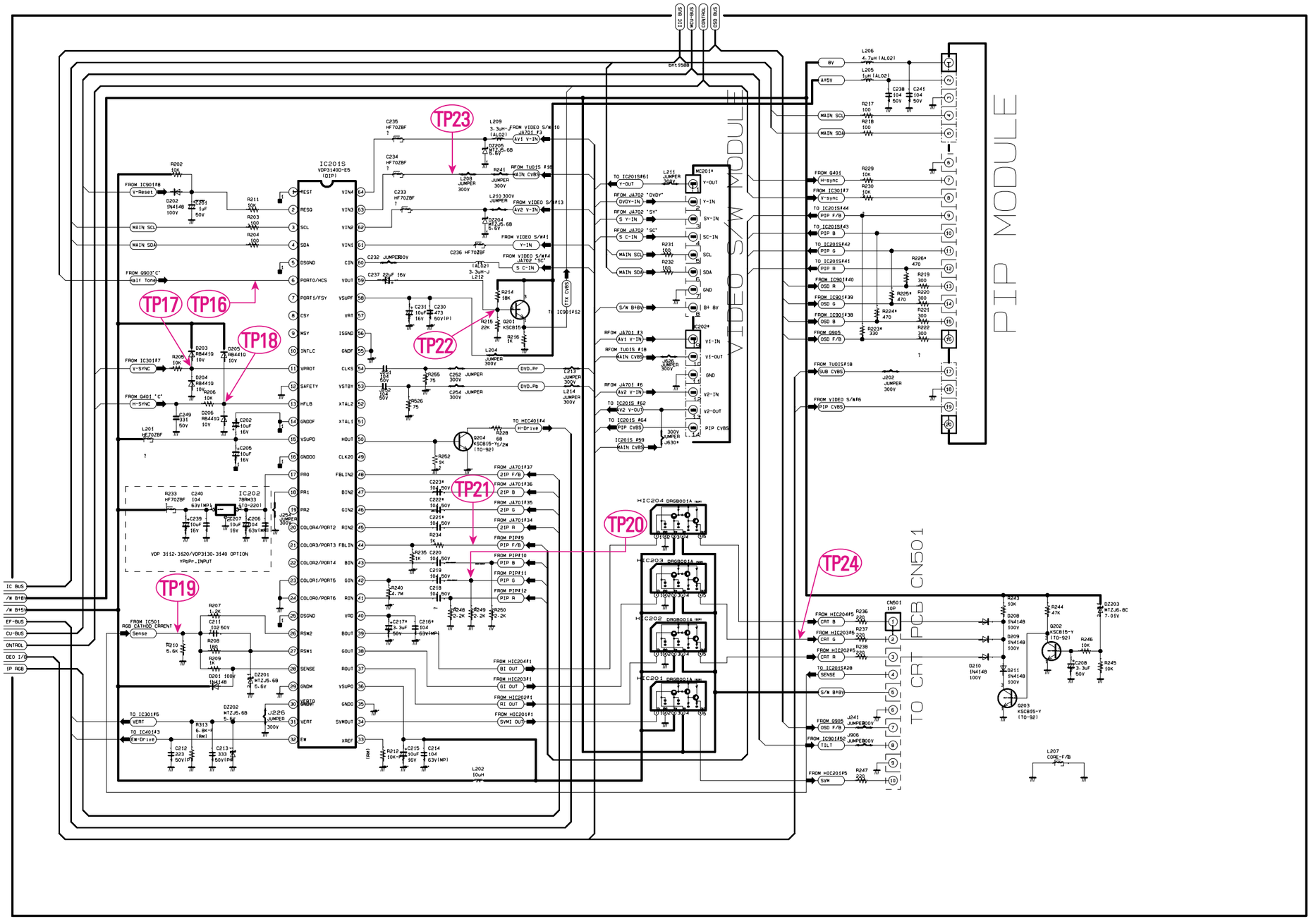
TP06

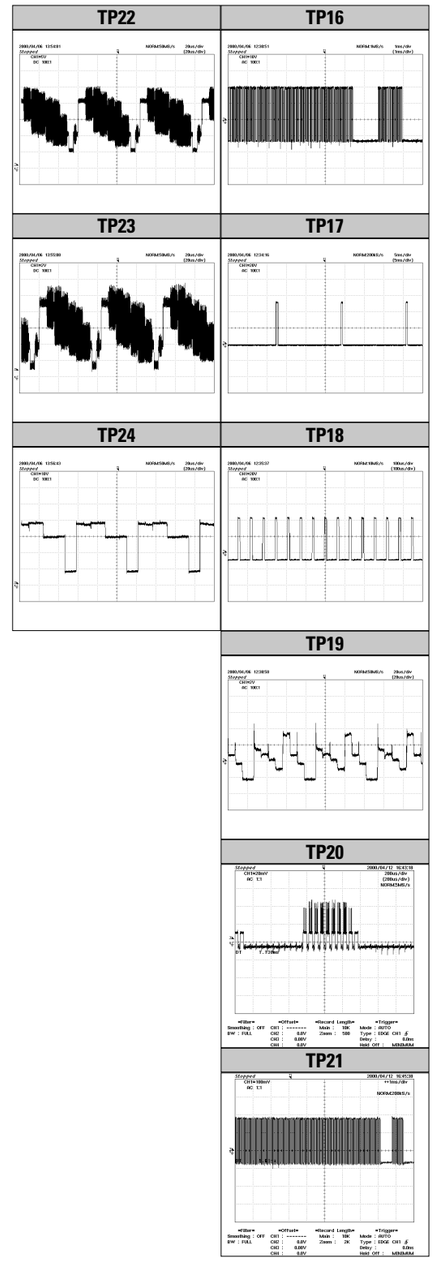


10-2 MAIN 2

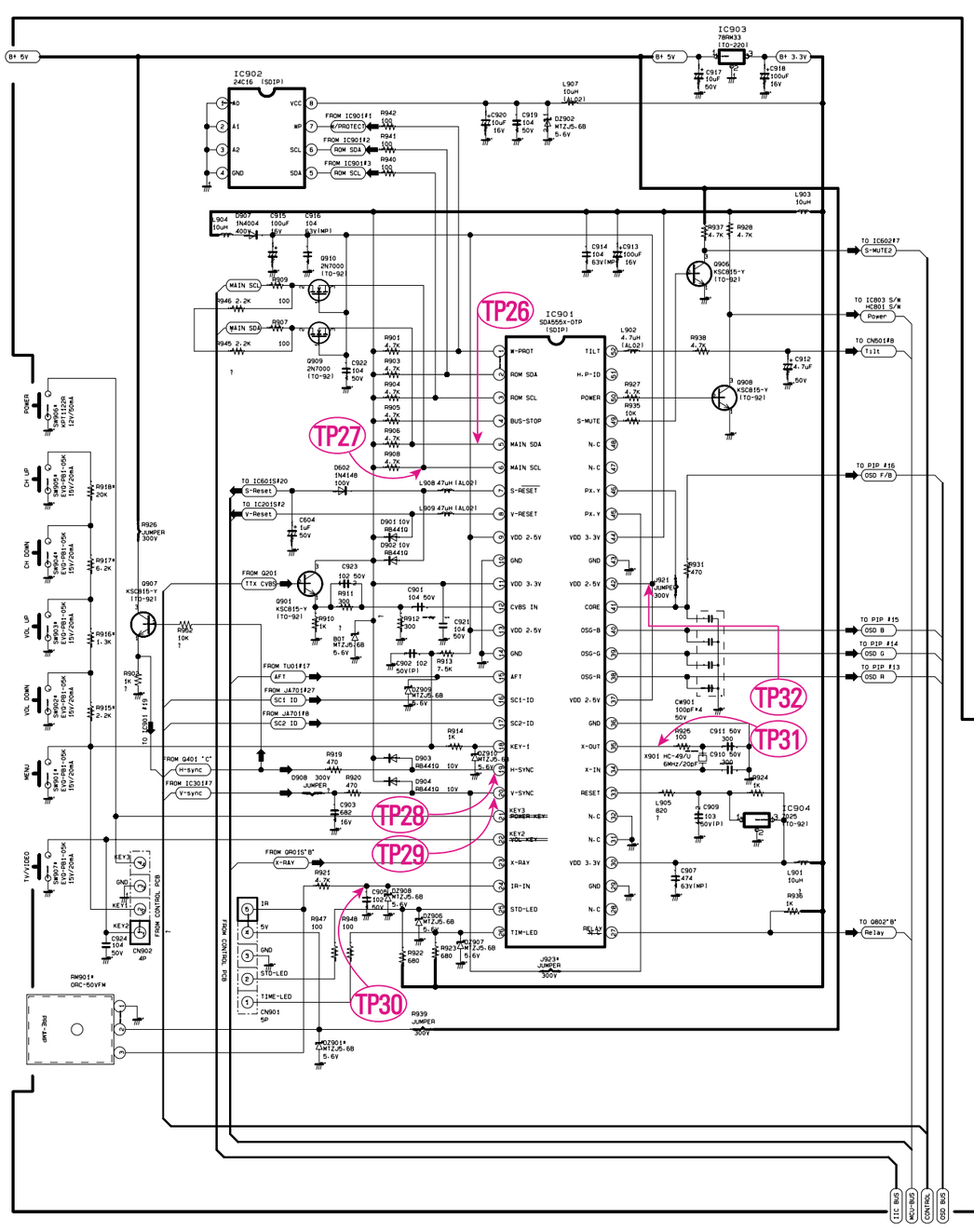

TP11
TP12
TP13
TP14
TP15
TP25
IC601
MSP3411G-A2 (DIP)
IC602
TDA7297 (ASSY-M/S)
TU01S
TCLS3101P0094IS (PAL-B/G)
TU02S*
TM BLOCK 2'nd TUNER
JA702*
JA701
AUDIO
VIDEO
9P
MSP34XO OPTION
MSP3400D
MSP3410D
MSP3411G
SCART OPTION
TO SPEAKER
FROM SIDE A/V PCB
TO SIDE A/V PCB
AMP17.5
S/W B+5
S/W B+8
MCU-BUS
DEF-BUS
CONTROL
B+ 33V
IIC BUS
S/W B+8
S/W B+5
DEF-BUS
MCU-BUS
CONTROL
VIDEO I/O
21P RGB

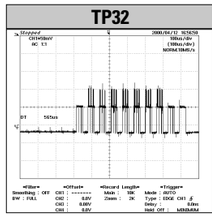
10-3 MAIN3

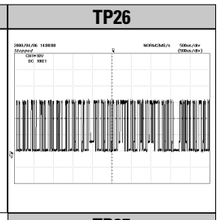

IIC BUS
MCU BUS
CONTROL
OSD BUS
VIDEO S/W MODULE
PIP MODULE
TO CRT PCB CN501
IC201S
VDP3140D-E5
(DIP)
IC202
78RM33
(TO-220)
YDP 3112-3120/VDP3130-3140 OPTION
YPbPr_INPUT
TP16
TP17
TP18
TP19
TP20
TP21
TP22
TP23
TP24
FROM IC901#8
V-Reset
FROM IC301#7
V-SYNC
FROM Q401 "C"
H-SYNC
FROM Q903"C"
alf Tone
MAIN SCL
MAIN SDA
FROM IC501
RGB CATHOD CARRENT
Sense
TO IC301#5
VERT
TO IC401#3
EW-Drive
FROM VIDEO S/W#10
JA701 #3
AV1 Y-IN
FROM VIDEO S/W#13
AV2 Y-IN
FROM VIDEO S/W#1
Y-IN
FROM VIDEO S/W#4
JA702 "SC"
S C-IN
TO IC901#12
TIX CVBS
FROM TU01S #18
MAIN CVBS
DVD_Pr
DVD_Pb
TO HIC401#4
H-Drive
FROM JA701#37
21P F/B
FROM JA701#36
21P B
FROM JA701#35
21P G
FROM JA701#34
21P R
FROM PIP#9
PIP F/B
FROM PIP#10
PIP B
FROM PIP#11
PIP G
FROM PIP#12
PIP R
FROM HIC204#1
B1 OUT
FROM HIC203#1
G1 OUT
FROM HIC202#1
R1 OUT
FROM HIC201#1
SVM1 OUT
TO IC901#44
Y-OUT
FROM JA702 "DVDY"
DVDY-IN
FROM JA702 "SY"
S Y-IN
FROM JA702 "SC"
S C-IN
S/W B+B
FROM JA701 #3
AV1 V-IN
FROM TU01S #18
MAIN CVBS
FROM JA701 #6
AV2 V-IN
TO IC201S #62
AV2 V-OUT
TO IC201S #64
PIP CVBS
IC201S #59
MAIN CVBS
MC201*
Y-OUT
Y-IN
SY-IN
SC-IN
SCL
SDA
GND
B+ 8V
Q202*
V1-IN
V1-OUT
GND
V2-IN
V2-OUT
PIP CVBS
8V
+45V
MAIN SCL
MAIN SDA
FROM Q401
H-sync
FROM IC301#7
V-sync
TO IC201S#44
PIP F/B
TO IC201S#43
PIP B
TO IC201S#42
PIP G
TO IC201S#41
PIP R
FROM IC901#40
OSD R
FROM IC901#39
OSD G
FROM IC901#38
OSD B
FROM Q905
OSD F/B
FROM TU01S#18
SUB CVBS
FROM VIDEO S/W#6
PIP CVBS
J202
JUMPER
300V
FROM Q905
OSD F/B
FROM IC901#52
TILT
FROM HIC201#5
SVM
J241
JUMPER300V
J906
JUMPER300V
CN501
10P
FROM HIC204#5
CRT B
FROM HIC203#5
CRT G
FROM HIC202#5
CRT R
TO IC201S#28
SENSE
S/W B+B
Q202
KSC815-Y
(TO-92)
Q203
KSC815-Y
(TO-92)
DZ203
MTZJ6.8C
7.01V
L207
CORE-F/B

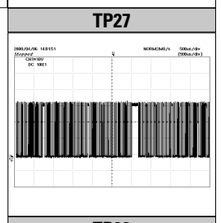

TP22
TP16
TP23
TP17
TP24
TP18
TP19
TP20
TP21

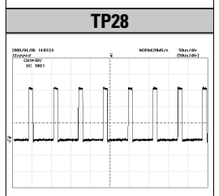
10-4 MAIN 4

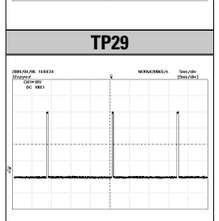


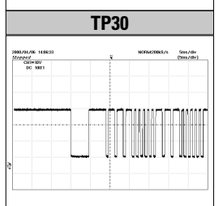


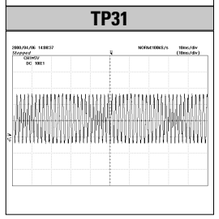










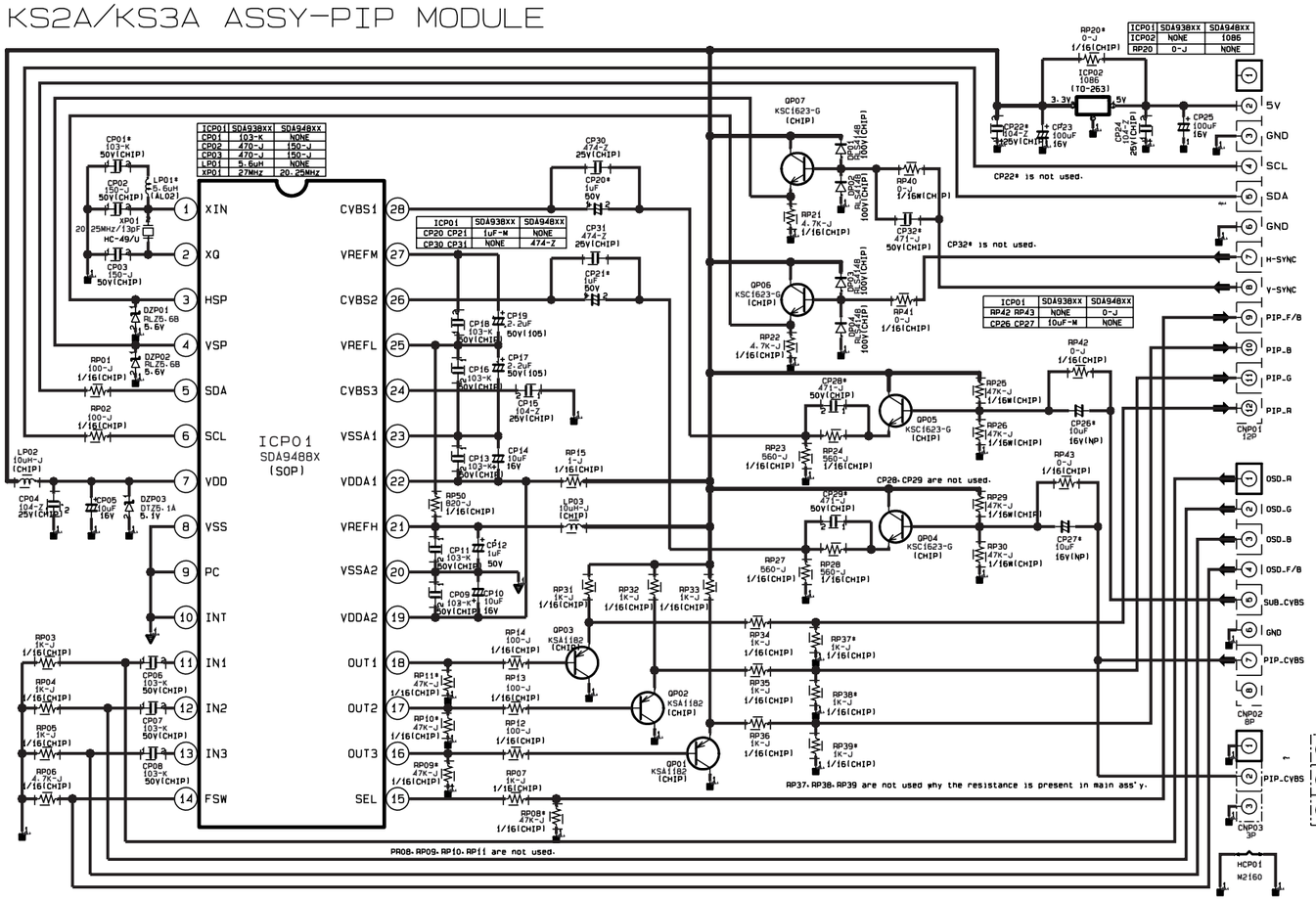


FILE NAME : MAIN					
JOB-NO	TEAM	NODE	DESIGN	OPE	EDIT
Dream	KS3A	NC21	Y-K KIM		1999-12-22

10-5 PIP MODULE, SWITCH MODULE

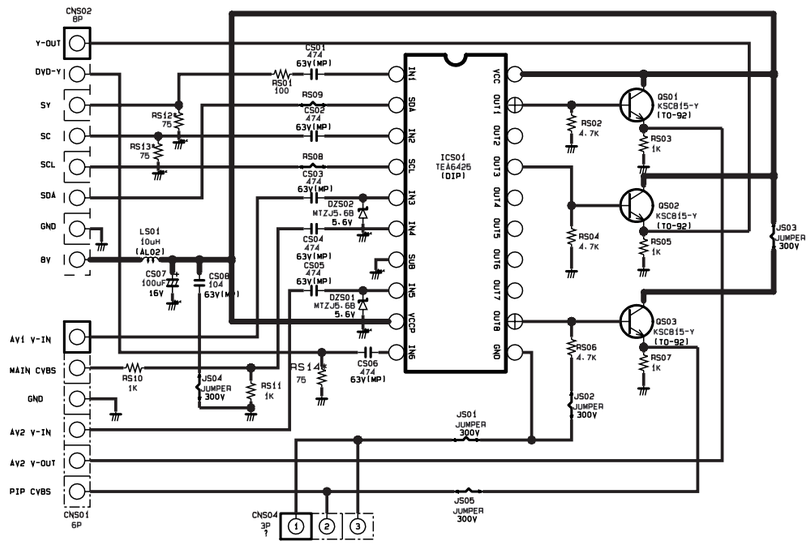
PIP MODULE

KS2A/KS3A ASSY-PIP MODULE

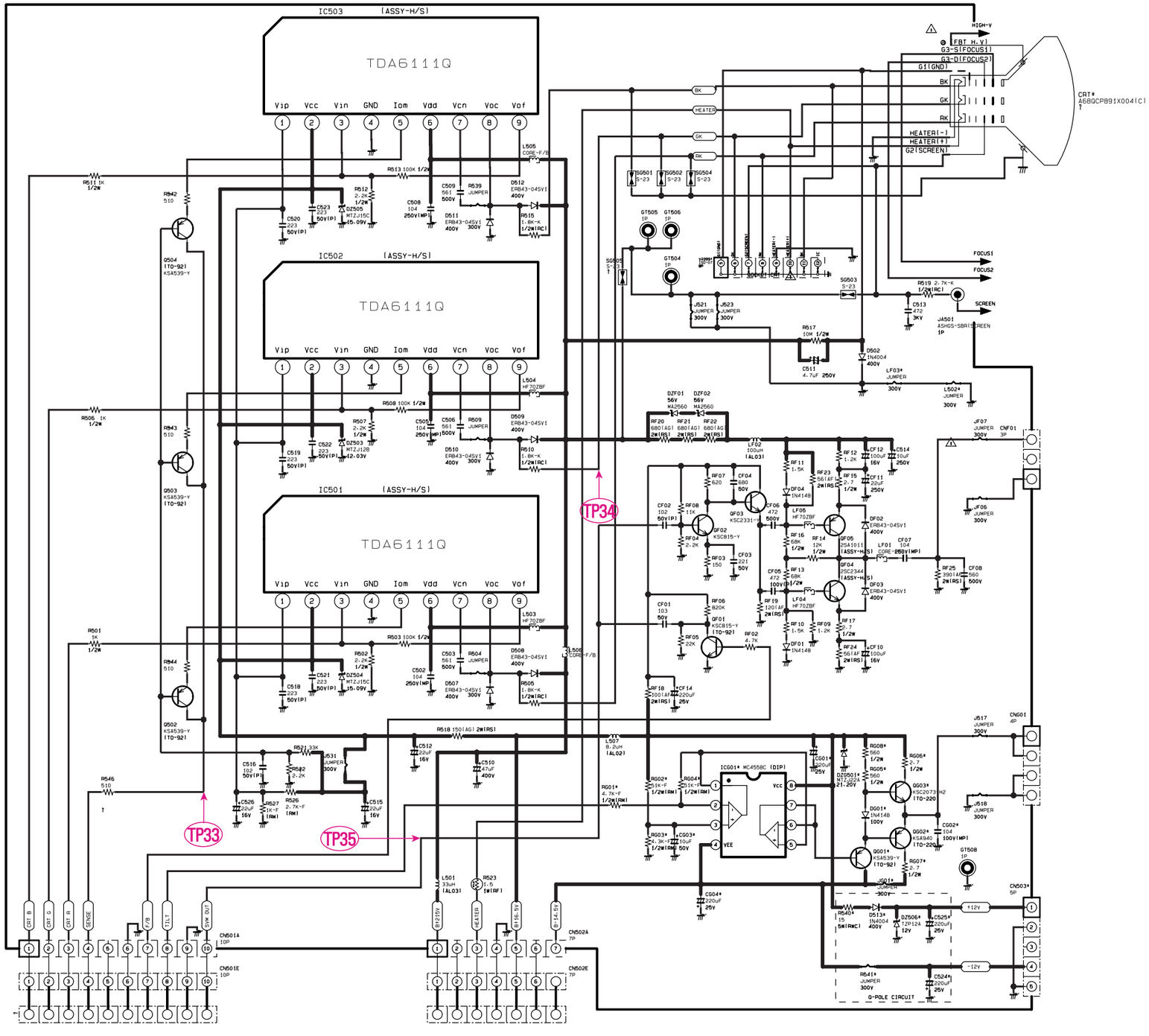


SWITCH MODULE

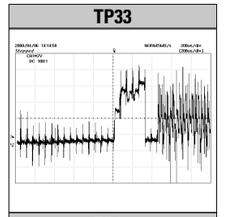
KS2A/KS3A VIDEO S/W MODULE (TEA6425)



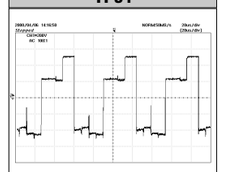
10-6 CRT



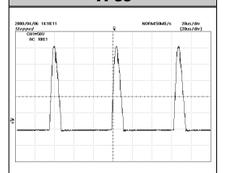
TP33



TP34

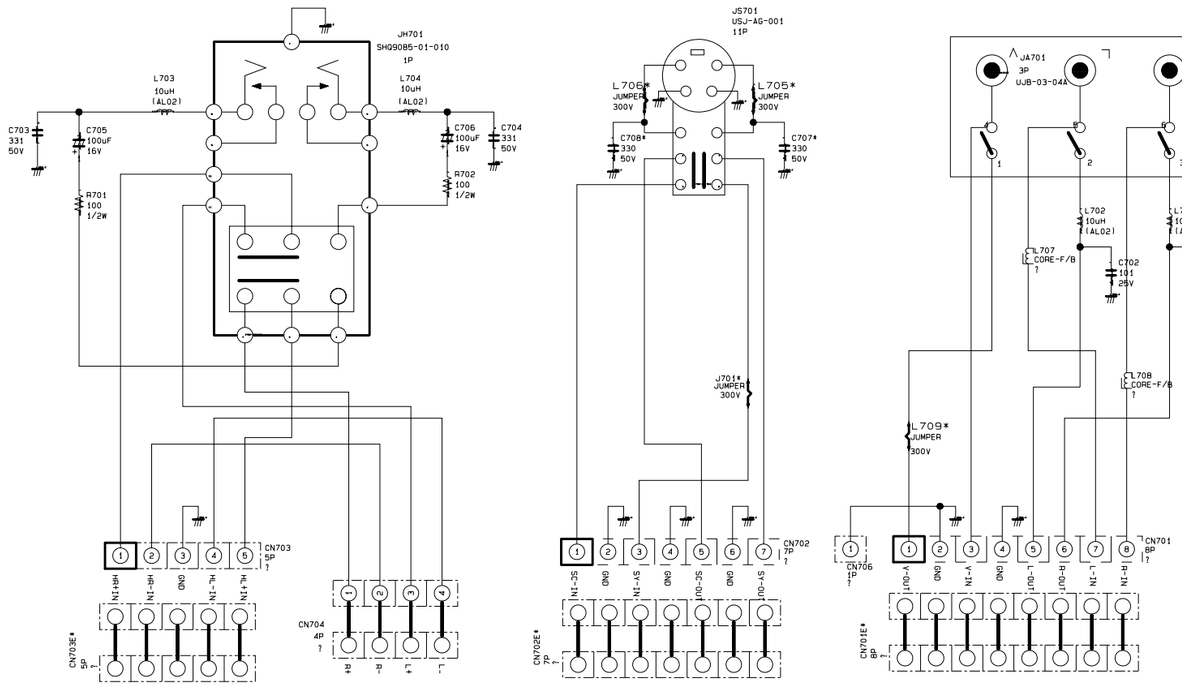


TP35

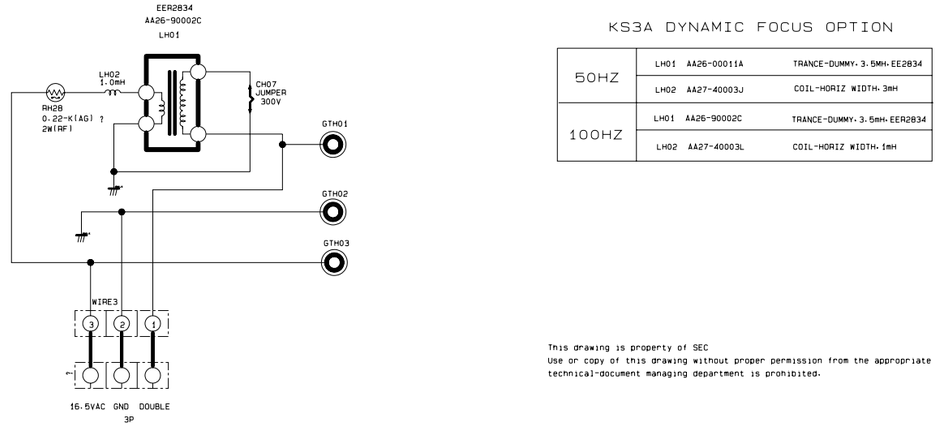


10- 7 SIDE AV, DOUBLE FOCUS

SIDE AV



DOUBLE FOCUS



KS3A DYNAMIC FOCUS OPTION

50HZ	LH01 AA26-00011A	TRANCE-DUMMY, 3.5MH, EE2834
	LH02 AA27-40003J	COIL-HORIZ WIDTH, 3mH
100HZ	LH01 AA26-90002C	TRANCE-DUMMY, 3.5MH, EER2834
	LH02 AA27-40003L	COIL-HORIZ WIDTH, 1mH

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